

FORM PTO-1449

SIXTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.5340002/RWE/BJD/JKMAPPLICATION NO.
10/005,876FIRST NAMED INVENTOR
Chesnut et al.FILING DATE
December 7, 2001ART UNIT
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
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	AK9	2003/0220249	11/27/2003	Hackett et al.			02/07/2003

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP9	WO 02/00875	01/03/2002	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	116	Ohara, O. and Temple, G., "Directional cDNA library construction assisted by the <i>in vitro</i> recombination reaction," <i>Nucleic Acids Research</i> 29:e22(1-8), Oxford University Press (February 15, 2001).
AS	116	Co-Pending U.S. Patent Application No. 10/893,235, Hartley et al., filed July 19, 2004 (Not Published).
AT	116	Hartley, J.L., et al., "DNA Cloning Using In Vitro Site-Specific Recombination," <i>Genome Research</i> 10:1288-1795, Cold Spring Harbor Laboratory Press (November 2000).

EXAMINER

JAMES KETTER
PRIMARY EXAMINER

DATE CONSIDERED

10/13/04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 SIXTH SUPPLEMENTAL TRADEMARK INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM	APPLICATION NO. 10/005,876
	FIRST NAMED INVENTOR Chesnut et al.	
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<i>[Signature]</i>	AL10	WO 02/16594	02/28/2002	WIPO			Yes No
<i>[Signature]</i>	AM10	WO 01/31039	05/03/2001	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>[Signature]</i>	AR	<u>117</u>	Heyman, J.A. et al., "Genome-Scale Cloning and Expression of Individual Open Reading Frames Using Topoisomerase I-Mediated Ligation," <i>Genome Research</i> 9:383-392, Cold Spring Harbor Laboratory Press (1999).
<i>[Signature]</i>	AS	<u>117</u>	Invitrogen Online Catalog, http://web.archive.org/web/20010112191100/www.invitrogen.com/catalog_project/cat_echo.html (accessed July 7, 2004).
<i>[Signature]</i>	AT	<u>117</u>	Invitrogen Online Catalog, http://invitrogen.com/content.cfm?pageid+3371&cfid=16767784&cftoken=62396683 (accessed July 7, 2004).

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		<i>[Signature]</i> 10/13/04

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SEP 7 2004

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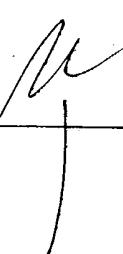
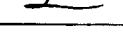
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	118	Russell, M., "A recombination-based cloning system that decreases time to protein analysis," <i>American Biotechnology Laboratory</i> 18:8-10, International Scientific Communications, Inc. (June 2000).
	AS	118	Sinclair, B., "Honing Your Cloning," <i>The Scientist</i> 14:29-32, The Scientist, Inc. (August 21, 2000).
	AT		

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FORM PTO-144 SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		O I P E JCS SEP 24 2004 TRADEMARK OFFICE		ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM	APPLICATION NO. 10/005,876		
				FIRST NAMED INVENTOR Chesnut et al.			
				FILING DATE December 7, 2001	ART UNIT 1636		
		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA10	4,808,537	02/28/1989	Stroman et al.			10/30/1984
	AB10	4,855,231	08/08/1989	Stroman et al.			09/25/1985
	AC10	4,959,217	09/25/1990	Sanders et al.			05/22/198
	AD10	5,654,182	08/05/1997	Wahl et al.			06/07/1995
	AE10	2002/0106797-A1	08/08/2002	Miles et al.			03/12/2001
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN10	WO 92/15694 A1	09/17/1992	WIPO			Yes No
	AO10	WO 00/12687 A1	03/09/2000	WIPO			Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR						
	AS						
	AT	118	Agah, R., et al., "Gene Recombination in Postmitotic Cells," <i>J. Clin. Invest.</i> 100:169-179, The American Society for Clinical Investigation, Inc. (July 1997)				
EXAMINER JAMES KETTER					DATE CONSIDERED 10/13/04		
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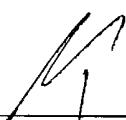
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	AM						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	119	Benoist, C. and Chambon, P., "In vivo sequence requirements of the SV40 early promoter region," <i>Nature</i> 290:304-310, Macmillan Journals, Ltd. (1981)
	AS	119	Botstein, D., et al., "Making mutations <i>in vitro</i> and putting them back into yeast," in <i>From Gene to Protein: Translation into Biotechnology</i> , Ahmad, F., et al., eds., Academic Press, New York, NY, pp. 265-274 (1982)
	AT	119	Broach, J.R., "The Yeast Plasmid 2μ Circle," <i>Cell</i> 28:203-204, MIT (1982)

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	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>120</u>	Cenatiempo, Y., "Prokaryotic gene expression <i>in vitro</i> : transcription -translation coupled systems," <i>Biochimie</i> 68:505-515, Elsevier (1986)				
	AS	<u>120</u>	Christiansen, B., et al., "A Resolvase-Like Protein Is Required for the Site-Specific Integration of the Temperate Lactococcal Bacteriophage TP901-1," <i>J. Bacteriol.</i> 178:5164-5173, American Society for Microbiology (1996)				
	AT	<u>120</u>	Crellin, P.K. and Rood, J.I., "The Resolvase/Invertase Domain of the Site-Specific Recombinase TnpX Is Functional and Recognizes a Target Sequence That Resembles the Junction of the Circular Form of the <i>Clostridium perfringens</i> Transposon Tn4451," <i>J. Bacteriol.</i> 179:5148-5156, American Society for Microbiology (August 1997)				
EXAMINER JAMES KETTER PRIMARY EXAMINER					DATE CONSIDERED <i>10/17/04</i>		
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SEP 24 2004
SEARCHED TRADEMARK INFORMATION

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FIRST NAMED INVENTOR
Chesnut et al.
FILING DATE
December 7, 2001

APPLICATION NO.
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ART UNIT
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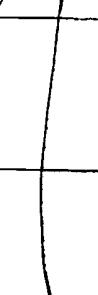
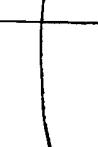
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	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>121</u>	Ferrin, L.J. and Camerini-Otero, R.D., "Sequence-specific ligation of DNA using RecA protein," <i>Proc. Natl. Acad. Sci. USA</i> 95:2152-2157, National Academy of Sciences (March 1998)
	AS	<u>121</u>	Golic, K.G. and Golic, M.M., "Engineering the Drosophila Genome: Chromosome Rearrangements by Design," <i>Genetics</i> 144:1693-1711, The Genetics Society of America (1996)
	AT	<u>121</u>	Gottesman, S., "Bacterial regulation: Global regulatory networks," <i>Ann. Rev. Genet.</i> 18:415-441, Annual Reviews, Inc. (1984)

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AL						Yes No
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AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	<u>122</u>	Guo, F., et al., "Structure of the Cre recombinase complexed with DNA in a site-specific recombination synapse," <i>Nature</i> 389:40-46, Nature Publishing Group (September 1997)
AS	<u>122</u>	Hallet, B. and Sherratt, D.J., "Transposition and site-specific recombination: adapting DNA cut-and-paste mechanisms to a variety of genetic rearrangements," <i>FEMS Microbiol. Rev.</i> 21:157-178, Elsevier Science B.V. (September 1997)
AT	<u>122</u>	Hamer, D.H. and Walling, M., "Regulation <i>In Vivo</i> of a Cloned Mammalian Gene: Cadmium Induces the Transcription of a Mouse Metallothionein Gene in SV40 Vectors," <i>J. Mol. Appl. Genet.</i> 1:273-288, Raven Press (1982)

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USPTO - U.S. PATENT AND TRADEMARK OFFICE

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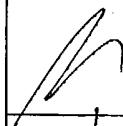
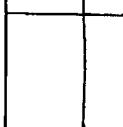
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	AR	123	Hanks, S.K. and Hunter, T., "The eukaryotic protein kinase superfamily: kinase (catalytic) domain structure and classification," <i>FASEB J.</i> 9:576-596, The Federation of American Societies for Experimental Biology (1995).
	AS	123	Huang, L.-C., et al., "Convenient and Reversible Site-Specific Targeting of Exogenous DNA into a Bacterial Chromosome by Use of the FLP Recombinase: the FLIRT System," <i>J. Bacteriol.</i> 179:6076-6083, American Society for Microbiology (October 1997).
	AT	123	John, Jr., J.F. and Twitty, J.A., "Plasmids as Epidemiologic Markers in Nosocomial Gram-Negative Bacilli: Experience at a University and Review of the Literature," <i>Rev. Infect. Dis.</i> 8:693-704, University of Chicago Press (1986)

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	AR	124	Johnston, S.A., and Hopper, J.E., "Isolation of the yeast regulatory gene GAL4 and analysis of its dosage effects on the galactose/melibiose regulon," <i>Proc. Natl. Acad. Sci. USA</i> 79:6971-6975, National Academy of Sciences (1982)				
	AS	124	Kendall, K.J., and Cohen, S.N., "Plasmid transfer in <i>Streptomyces lividans</i> : Identification of a kil-kor System Associated with the Transfer Region of pIJ101," <i>J. Bacteriol.</i> 169:4177-4183, American Society for Microbiology (1987)				
	AT	124	Lyznik, L.A., et al., "Activity of yeast FLP recombinase in maize and rice protoplasts," <i>Nucleic Acids Res.</i> 21:969-975, Oxford University Press (1993)				
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	AP						Yes
							No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	125	Maniatis, T., "Recombinant DNA Procedures in the Study of Eukaryotic Genes," in <i>Cell Biology: A Comprehensive Treatise, Volume 3, Gene Expression: The Production of RNA's</i> , Goldstein, L. and Prescott, D.M., eds., Academic Press, Inc., New York, NY, pp. 563-608 (1980).				
	AS	125	Mayer, B.J., and Baltimore, D., "Signalling through SH2 and SH3 domains," <i>Trends Cell Biol.</i> 3:8-13, Elsevier Science Publishers, Ltd. (1993)				
	AT	125	McKnight, S.L., "Functional Relationships between Transcriptional Control Signals of the Thymidine Kinase Gene of Herpes Simplex Virus," <i>Cell</i> 31:355-365, MIT (1982)				
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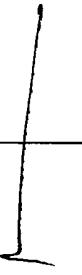
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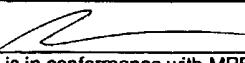
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	AR	<u>126</u>	Nunes-Düby, S.E., et al., "λ Integrase cleaves DNA in cis," <i>EMBO J.</i> 13:4421-4430, Oxford University Press (1994)
	AS	<u>126</u>	Odell, J., et al., "Site-directed recombination in the genome of transgenic tobacco," <i>Mol. Gen. Genet.</i> 223:369-378, Springer-Verlag (1990)
	AT	<u>126</u>	Peterson, B.Ø. and Shuman, S., "Histidine 265 Is Important for Covalent Catalysis by Vaccinia Topoisomerase and Is Conserved in All Eukaryotic Type I Enzymes," <i>J. Biol. Chem.</i> 272:3891-3896, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)

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**SEVENTH SUPPLEMENTAL TRADEMARK OFFICE
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O I P E
JCB8
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U.S. PATENT AND TRADEMARK OFFICE

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AP						Yes

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	127	Rausch, H. and Lehmann, M., "Structural analysis of the actinophage Φ C31 attachment site," <i>Nucleic Acids Res.</i> 19:5187-5189, IRL Press (1991)
	AS	127	Sadowski, I., et al., "A Noncatalytic Domain Conserved among Cytoplasmic Protein-Tyrosine Kinases Modifies the Kinase Function and Transforming Activity of Fujinami Sarcoma Virus P130 ^{gag-tpz} ," <i>Mol. Cell. Biol.</i> 6:4396-4408, American Society for Microbiology (1986)
	AT	127	Sauer, B. and Henderson, N., "Targeted Insertion of Exogenous DNA into the Eukaryotic Genome by the Cre Recombinase," <i>New Biol.</i> 2:441-449, Saunders Scientific Publications/W.B. Saunders Company (1990)

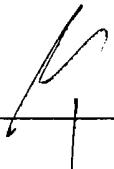
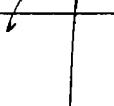
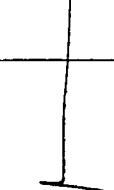
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10/17/04

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FORM PTO-144 SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM		APPLICATION NO. 10/005,876		
		FIRST NAMED INVENTOR Chesnut et al.				
		FILING DATE December 7, 2001		ART UNIT 1636		
		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA						
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FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL						Yes
AM						No
AN						Yes
AO						No
AP						Yes
						No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)						
	AR	128	Senecoff, J.F., et al., "The FLP recombinase of the yeast 2-μm plasmid: Characterization of its recombination site," <i>Proc. Natl. Acad. Sci. USA</i> 82:7270-7274, National Academy of Sciences (1985)			
		AS	128	Shaikh, A.C. and Sadowski, P.D., "The Cre Recombinase Cleaves the lox Site in trans," <i>J. Biol. Chem.</i> 272:5695-5702, The American Society for Biochemistry and Molecular Biology, Inc. (February 1997)		
	AT	128	Shirai, M., et al., "Site-Specific Integration of the Actinophage R4 Genome into the Chromosome of <i>Streptomyces parvulus</i> upon Lysogenization," <i>J. Bacteriol.</i> 173:4237-4239, American Society for Microbiology (1991)			
EXAMINER JAMES KETTER				DATE CONSIDERED 10/18/04		
EXAMINER: Initial if reference considered. Draw line through citation if not in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.						

FORM PTO-146 SEVENTH SUPPLEMENTAL TRADE PAPER INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM		APPLICATION NO. 10/005,876	
		FIRST NAMED INVENTOR Chesnut et al.		FILING DATE December 7, 2001	

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	129	Shuman, S., et al., "Characterization of Vaccinia Virus DNA Topoisomerase I Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 263:16401-16407, The American Society for Biochemistry and Molecular Biology, Inc. (1988)
	AS	129	Shuman, S., "Site-specific Interaction of Vaccinia Virus Topoisomerase I with Duplex DNA," <i>J. Biol. Chem.</i> 266:11372-11379, The American Society for Biochemistry and Molecular Biology, Inc. (1991)
	AT	129	Silver, P.A., et al., "Amino terminus of the yeast GAL4 gene product is sufficient for nuclear localization," <i>Proc. Natl. Acad. Sci. USA</i> 81:5951-5955, National Academy of Sciences (1984)

EXAMINER	JAMES KETTER		DATE CONSIDERED 10/17/04
PRIMARY EXAMINER			
EXAMINER: Initial if reference considered, if citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.			

FORM PTO-1449 SEVENTH SUPPLEMENTAL TRADEMARK INFORMATION DISCLOSURE STATEMENT			ATTY. DOCKET NO. 0942.534002/RWE/BJD/JKM	APPLICATION NO. 10/005,876			
			FIRST NAMED INVENTOR Chesnut et al.	FILING DATE December 7, 2001	ART UNIT 1636		
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	AO						No
	AP						Yes
							No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<u>130</u>	Stark, W.M., et al., "Catalysis by site-specific recombinases," <i>Trends Genet.</i> 8:432-439, Elsevier Science Publishers, Ltd. (1992)				
	AS	<u>130</u>	Ullmanen, I., et al., "Transcription and Translation of Foreign Genes in <i>Bacillus subtilis</i> by the Aid of a Secretion Vector," <i>J. Bacteriol.</i> 162:176-182, American Society for Microbiology (1985)				
	AT	<u>130</u>	van Deursen, J., et al., "Cre-mediated site-specific translocation between nonhomologous mouse chromosomes," <i>Proc. Natl. Acad. Sci. USA</i> 92:7376-7380, National Academy of Sciences (1995)				
EXAMINER JAMES KETTER					DATE CONSIDERED 10/13/04		
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SEVENTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.
0942.5340002/RWE/BJD/JKMAPPLICATION NO.
10/005,876

FIRST NAMED INVENTOR

Chesnut et al.

FILING DATE
December 7, 2001ART UNIT
1636

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FOREIGN PATENT DOCUMENTS

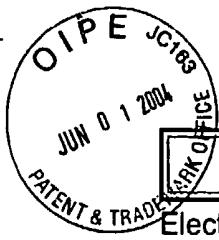
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>131</u>	Ward, J.M., et al., "Construction and characterisation of a series of multi-copy promoter-probe plasmid vectors for <i>Streptomyces</i> using the aminoglycoside phosphotransferase gene from Tn5 as indicator," <i>Mol. Gen. Genet.</i> 203:468-478, Springer-Verlag (1986)
	AS	<u>131</u>	Invitrogen Life Technologies online catalog, "Directional TOPO Entry Vectors," (September 27, 2002). http://www.invitrogen.com/content.cfm?pageid=3799&cfid=2897960&cftoken=88086554
	AT	<u>131</u>	International Search Report for International Application No. PCT/US99/19413 mailed on January 27, 2000

EXAMINER	JAMES KETTER	DATE CONSIDERED
EXAMINER:	PRIMARY EXAMINER	10/17/04

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ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18
Stylesheet Version v18.0

Title of Invention	Methods and Compositions for Synthesis of Nucleic Acid Molecules Using Multiple Recognition Sites						
Application Number:	10/005876 						
Confirmation Number:	7958						
First Named Applicant:	Jonathan Chesnut						
Attorney Docket Number:	0942.5340002						
Art Unit:	1636						
Examiner:	James S Ketter						
Search string:	(6066778 or 6720140 or 20040053412 or 20020182731 or 20030027289 or 20030054555 or 20030059900 or 20030100110 or 20020172997 or 20020192819 or 20030157716 or 20020094574 or 20030054552 or 20030064515 or 20030068799 or 20030175970 or 20040063207 or 20030157662 or 20020007051 or 20030124555 or 20030077804 or 20030186233).pn.						
US Patent Documents							
Note: Applicant is not required to submit a paper copy of cited US Patent Documents							
init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
1	6066778	2000-05-23	Ginsburg et al.				
2	6720140	2004-04-13	Hartley et al.				
US Published Applications							
Note: Applicant is not required to submit a paper copy of cited US Published Applications							
init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
1	20040053412	2004-03-18	Hartley et al.				
2	20020182731	2002-12-05	Ji et al.				
3	20030027289	2003-02-06	Farmer				
4	20030054555	2003-03-20	Farmer et al.				

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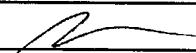
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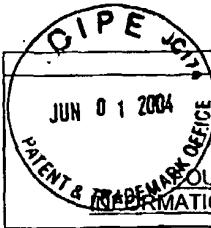
Page 1 of 2

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5	20030059900	2003-03-27	Farmer
6	20030100110	2003-05-29	Hartley et al.
7	20020172997	2002-11-21	Hartley et al.
8	20020192819	2002-12-19	Hartley et al.
9	20030157716	2003-08-21	Hartley et al.
10	20020094574	2002-07-18	Hartley et al.
11	20030054552	2003-03-20	Hartley et al.
12	20030064515	2003-04-03	Hartley et al.
13	20030068799	2003-04-10	Hartley et al.
14	20030175970	2003-09-18	Hartley et al.
15	20040063207	2004-04-01	Hartley et al.
16	20030157662	2003-08-21	Gerard et al.
17	20020007051	2002-01-17	Cheo et al.
18	20030124555	2003-07-03	Brasch et al.
19	20030077804	2003-04-24	Byrd et al.
20	20030186233	2003-10-02	Chesnut et al.

Signature

Examiner Name	Date
JAMES KETTER PRIMARY EXAMINER	 10/13/04



FORM PTO-1449

FOURTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO.
0942.5340002/RWE/BJD/JKM
APPLICATION NO.
10/005,876FIRST NAMED INVENTOR
Chesnut et al.FILING DATE
December 7, 2001
ART UNIT
1636

U.S. PATENT DOCUMENTS

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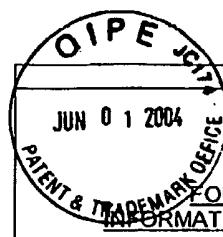
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AN9	WO 02/08391	01/31/2002	WIPO			Yes No
AO9	WO 03/25161	03/27/2003	WIPO			Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR				
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AT	108	Kuempel, P., et al., "Use of a transposon (Tndif) to obtain suppressing and nonsuppressing insertions of the dif resolvase site of <i>Escherichia coli</i> ," <i>Genes Dev.</i> 10:1162-1171, Cold Spring Harbor Laboratory Press (July 1, 1996).		

EXAMINER	JAMES KETTER	DATE CONSIDERED
PRIMARY EXAMINER		10/17/04

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JUN 01 2004 FORM PTO-1449 FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM	APPLICATION NO. 10/005,876
		FIRST NAMED INVENTOR Chesnut et al.	
		FILING DATE December 7, 2001	ART UNIT 1636

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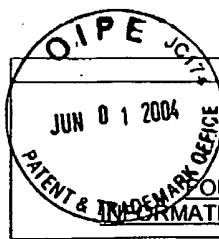
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>M</i>	AR	109	Lee, M.H., et al., "Site-specific integration of mycobacteriophage L5: Integration-proficient vectors for <i>Mycobacterium smegmatis</i> , <i>Mycobacterium tuberculosis</i> , and bacille Calmette-Guérin," <i>Proc. Natl. Acad. Sci. USA</i> 88:3111-3115, National Academy of Sciences (1991).
	AS	109	Lenski, R.E., et al., "Genetic Analysis of a Plasmid-Encoded, Host Genotype-Specific Enhancement of Bacterial Fitness," <i>J. Bacteriol.</i> 176:3140-3147, American Society for Microbiology (1994).
	AT	109	Manning, P.A., et al., "Gene Capture in <i>Vibrio cholera</i> ," <i>Trends in Microbiology</i> 7:93-95, Elsevier Science (1999).

EXAMINER	JAMES KETTER PRIMARY EXAMINER	DATE CONSIDERED <i>10/17/04</i>
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0942.534002/RWE/BJD/JKMAPPLICATION NO.
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FOREIGN PATENT DOCUMENTS

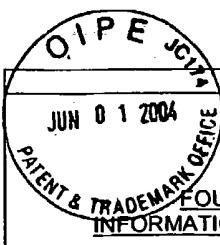
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	110	Murayama, N., et al., "Evidence for Involvement of <i>Escherichia coli</i> Genes <i>pmbA</i> , <i>csrA</i> and a Previously Unrecognized Gene <i>tldD</i> , in the Control of DNA Gyrase by <i>letD</i> (<i>ccdB</i>) of Sex Factor F," <i>J. Mol. Biol.</i> 256:483-502, Academic Press Ltd. (1996).
	AS	110	Shuman, S., "Novel Approach to Molecular Cloning and Polynucleotide Synthesis Using Vaccinia DNA Topoisomerase," <i>J. Biol. Chem.</i> 269:32678-32684, American Society for Biochemistry and Molecular Biology, Inc. (1994).
	AT	110	Stuurman, J., et al., "Single-site manipulation of tomato chromosomes <i>in vitro</i> and <i>in vivo</i> using Cre-lox site-specific recombination," <i>Plant Molecular Biology</i> 32:901-913, Kluwer Academic Publishers (Nov. 27, 1996).

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	111	Zechiedrich, E.L., et al., "Topoisomerase IV, not gyrase, decatenates products of site-specific recombination in <i>Escherichia coli</i> ," <i>Genes Dev.</i> 11:2580-2592, Cold Spring Harbor Laboratory Press (1997).
	AS	111	Institut Pasteur Website, Introduction: http://www.pasteur.fr/recherche/unites/pmtg/integ/intro.html (accessed 6/19/2003).
	AT	111	Institut Pasteur Website, Figure 1: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig1.html (accessed 6/19/2003).

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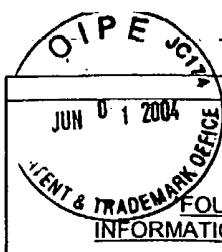
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	AN						Yes No
	AO						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	112	Institut Pasteur Website, Figure 2: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig2.html (accessed 6/19/2003).
	AS	112	Institut Pasteur Website, Figure 3: http://www.pasteur.fr/recherche/unites/pmtg/integ/fig3.html (accessed 6/19/2003);
	AT	112	Institut Pasteur Website, Main page: http://www.pasteur.fr/recherche/unites/pmtg (accessed 6/19/2003).

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	AR	<u>113</u>	Co-Pending U.S. Patent Application No. 09/177,387, Hartley, J.L., et al., filed October 23, 1998 (NOT PUBLISHED).
	AS	<u>113</u>	Co-Pending U.S. Patent Application No. 09/438,358, Gerard, G.F., et al., filed November 12, 1999 (NOT PUBLISHED).
	AT	<u>113</u>	Co-Pending U.S. Patent Application No. 09/517,466, Hartley, J.L., et al., filed March 2, 2000 (NOT PUBLISHED).

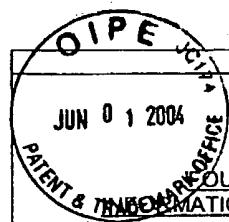
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	AR	114	Co-Pending U.S. Patent Application No. 09/648,790, Hartley, J.L., et al., filed August 28, 2000 (NOT PUBLISHED).
	AS	114	Co-Pending U.S. Patent Application No. 09/695,065, Brash, M.A., et al., filed October 25, 2000 (NOT PUBLISHED).
	AT	114	Co-Pending U.S. Patent Application No. 09/984,239, Brasch, M.A., et al., filed October 29, 2001 (NOT PUBLISHED).

EXAMINER

JAMES KETTER

DATE CONSIDERED

10/17/04

PRIMARY EXAMINER

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



JUN 01 2004	ATTY. DOCKET NO. 0942.5340002/RWE/BJD/JKM	APPLICATION NO. 10/005,876
FORM PTO-1449	FIRST NAMED INVENTOR Chesnut et al.	
FOURTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	FILING DATE December 7, 2001	ART UNIT 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	115	Co-Pending U.S. Patent Application No. 10/058,292, Hartley, J.L., and Brasch, M.A., filed January 30, 2002 (NOT PUBLISHED).
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EXAMINER	JAMES KETTER	DATE CONSIDERED
10/17/04		
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